

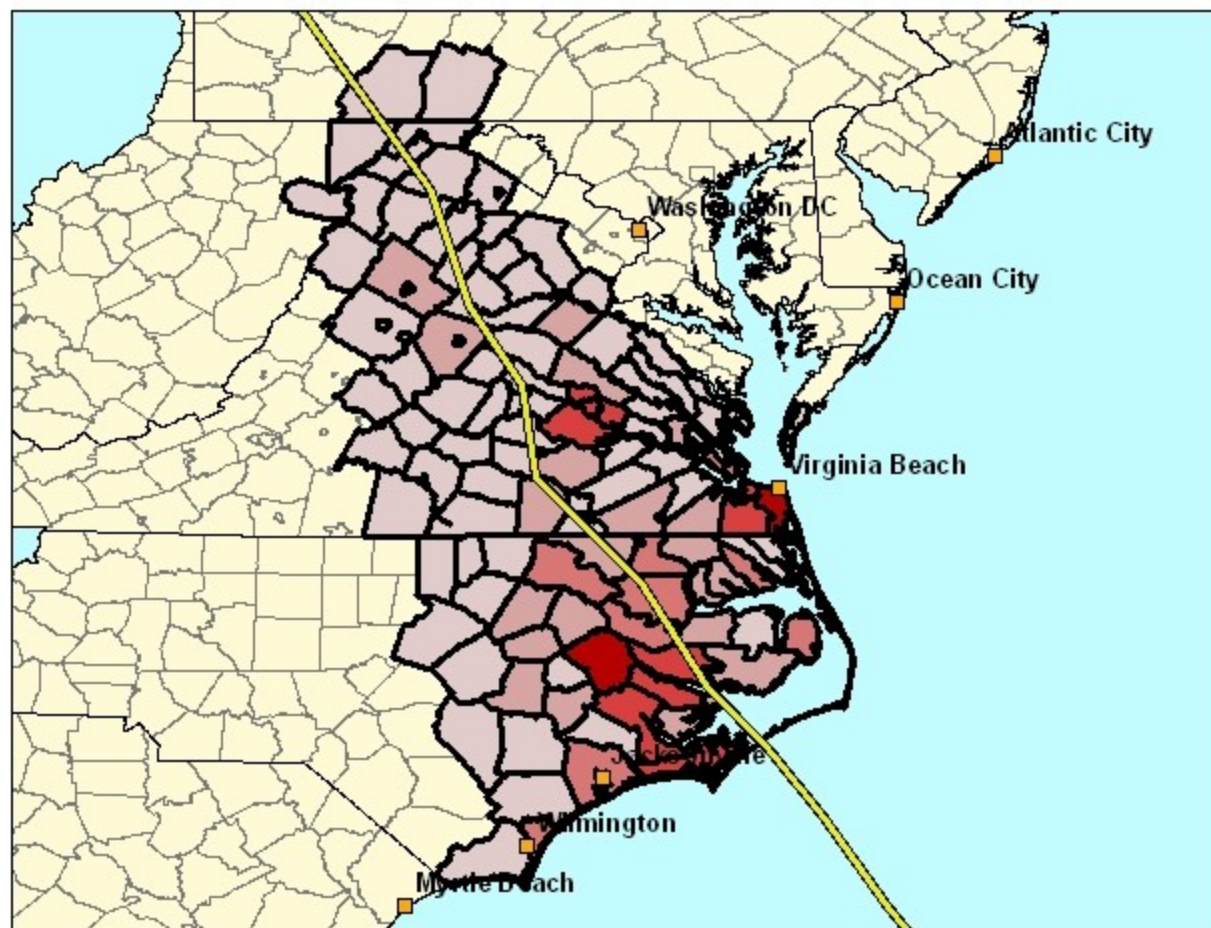


US Army Corps
of Engineers

Hurricane Isabel 2003 Debris Model

Landfall Plus About **12** Hours

**For Official
Use Only!**



Post Landfall Debris Model Results

North Carolina - 9,522,000 Yards
Virginia - 9,360,000 Yards
Maryland - 118,000 Yards
West Virginia - 88,000 Yards
Pennsylvania - 10,000 Yards

*Model results per County on
following page*

This model is based on a
Category 3 storm making landfall
on Outer Banks, NC.

Historic Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- > 1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall on Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/17/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Debris Model

Generated By:

Siemsen, LRL 0900 EDT 09/17/2007

Sources:

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LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Debris Model

Landfall Plus About **12** Hours

**For Official
Use Only!**

State	Yards per State	County	Yards per County
Maryland		Allegany	97,000
		Garrett	21,000
Maryland	118,000		
North Carolina		Beaufort	812,000
		Bertie	420,000
		Brunswick	12,000
		Camden	52,000
		Carteret	794,000
		Chowan	123,000
		Craven	890,000
		Currituck	71,000
		Dare	313,000
		Duplin	87,000
		Edgecombe	243,000
		Franklin	73,000
		Gates	120,000
		Granville	43,000
		Greene	41,000
		Halifax	466,000
		Hertford	293,000
		Hyde	168,000
		Johnston	95,000
		Jones	72,000
		Lenoir	144,000
		Martin	375,000
		Nash	197,000
		New Hanover	280,000
		Northampton	237,000
		Onslow	408,000
		Pamlico	207,000

State	Yards per State	County	Yards per County
North Carolina		Pasquotank	327,000
(continued)		Pender	96,000
		Perquimans	122,000
		Pitt	1,129,000
		Sampson	15,000
		Tyrrell	76,000
		Vance	52,000
		Wake	73,000
		Warren	52,000
		Washington	242,000
		Wayne	141,000
		Wilson	161,000
North Carolina	9,522,000		
Pennsylvania		Bedford	< 1,000
		Somerset	10,000
Pennsylvania	10,000		
Virginia		Albemarle	228,000
		Amelia	61,000
		Amherst	3,000
		Appomattox	18,000
		Augusta	51,000
		Brunswick	148,000
		Buckingham	39,000
		Campbell	4,000
		Caroline	41,000
		Charles City	21,000
		Charlotte	21,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Isabel 2003 Debris Model

Generated By:

Siemsen, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Debris Model

Landfall Plus About **12** Hours

**For Official
Use Only!**

State	Yards per State	County	Yards per County
Virginia		Charlottesville	109,000
(continued)		Chesapeake	518,000
		Chesterfield	768,000
		Colonial Hghts Cty	54,000
		Culpeper	56,000
		Cumberland	28,000
		Dinwiddie	173,000
		Emporia City	56,000
		Essex	2,000
		Fauquier	22,000
		Fluvanna	63,000
		Franklin City	73,000
		Frederick	15,000
		Fredericksburg	30,000
		Gloucester	49,000
		Goochland	55,000
		Greene	40,000
		Greensville	84,000
		Halifax	11,000
		Hampton City	355,000
		Hanover	204,000
		Harrisonburg	48,000
		Henrico	820,000
		Hopewell City	69,000
		Isle Of Wight	80,000
		James City	112,000
		King And Queen	11,000
		King William	21,000
		Louisa	90,000
		Lunenburg	40,000
		Madison	33,000

State	Yards per State	County	Yards per County
Virginia		Mathews	13,000
(continued)		Mecklenburg	77,000
		Middlesex	4,000
		Nelson	23,000
		New Kent	32,000
		Newport News	422,000
		Norfolk City	623,000
		Northampton	8,000
		Nottoway	83,000
		Orange	64,000
		Page	37,000
		Petersburg	93,000
		Poquoson City	15,000
		Portsmouth	285,000
		Powhatan	61,000
		Prince Edward	41,000
		Prince George	72,000
		Rappahannock	12,000
		Richmond City	610,000
		Rockingham	103,000
		Shenandoah	56,000
		Southampton	144,000
		Spotsylvania	133,000
		Stafford	22,000
		Staunton City	3,000
		Suffolk City	196,000
		Surry	24,000
		Sussex	73,000
		Virginia Beach	1,146,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Isabel 2003 Debris Model

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Sources:

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Details about this model may be obtained at <http://www.enlink.usace.army.mil>
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Sources:
HURREVAC
LRL-DEBRIS

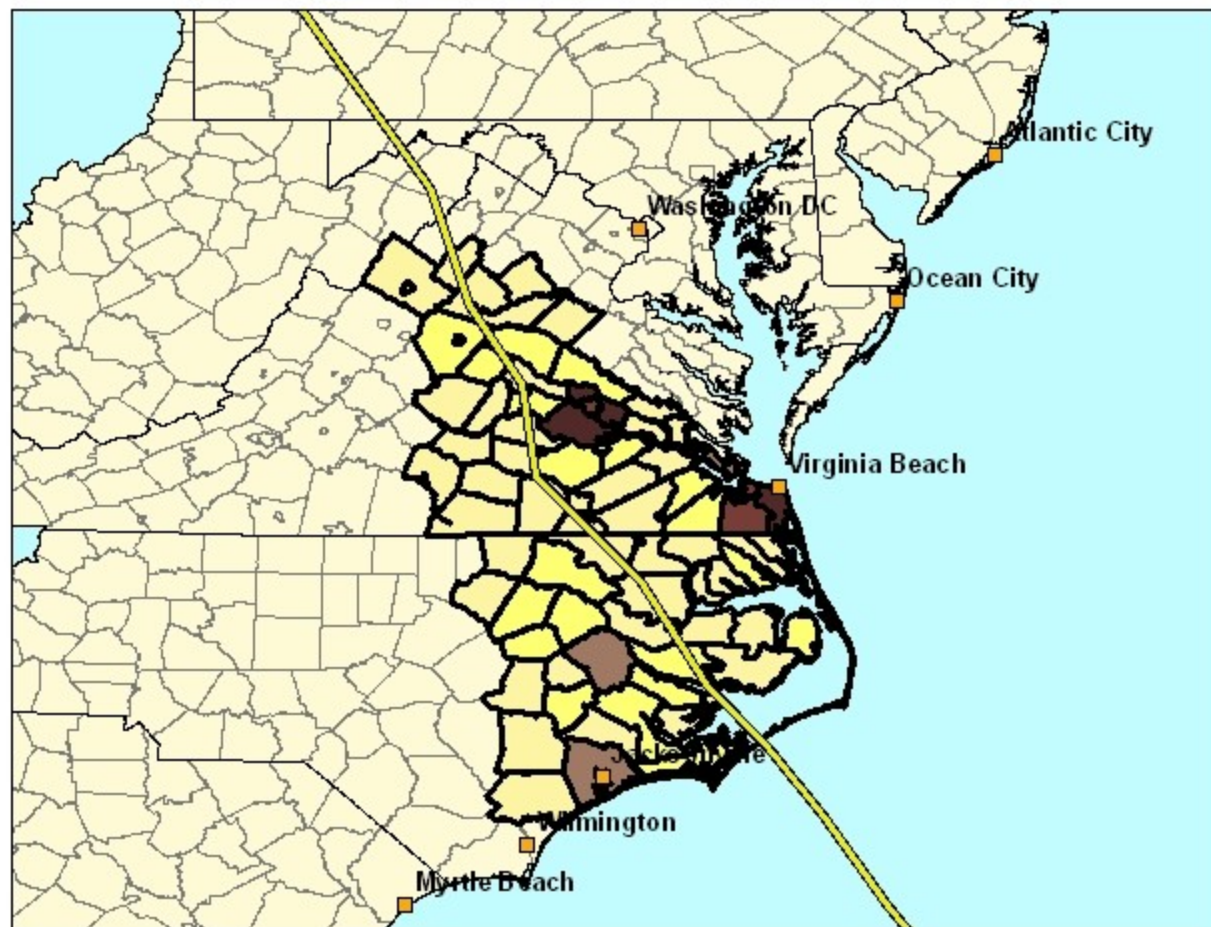


US Army Corps
of Engineers

Hurricane Isabel 2003 Population Model

Landfall Plus About **12** Hours

**For Official
Use Only!**



Post Landfall Population Model Results

Virginia - 2,829,000
North Carolina - 1,164,000

*Model results per County on
following page*

This model is based on a
Category 3 storm making landfall
on Outer Banks, NC.

Historic Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall on Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/17/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Population Model

Generated By:
Siemsen, LRL 0900 EDT 09/17/2007

Sources:
HURREVAC
LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Population Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	Population per State	County	Population per County
North Carolina		Beaufort	47,000
		Bertie	20,000
		Camden	10,000
		Carteret	64,000
		Chowan	15,000
		Craven	95,000
		Currituck	24,000
		Dare	34,000
		Duplin	11,000
		Edgecombe	54,000
		Franklin	3,000
		Gates	12,000
		Greene	21,000
		Halifax	56,000
		Hertford	24,000
		Hyde	6,000
		Jones	11,000
		Lenoir	58,000
		Martin	25,000
		Nash	75,000
		Northampton	22,000
		Onslow	151,000
		Pamlico	13,000
		Pasquotank	40,000
		Pender	12,000
		Perquimans	13,000
		Pitt	146,000
		Tyrrell	5,000
		Warren	15,000
		Washington	14,000
		Wayne	9,000

State	Population per State	County	Population per County
North Carolina		Wilson	59,000
North Carolina	1,164,000		
Virginia		Albemarle	72,000
		Amelia	13,000
		Brunswick	18,000
		Buckingham	10,000
		Charles City	8,000
		Charlotte	< 1,000
		Charlottesville	41,000
		Chesapeake	221,000
		Chesterfield	298,000
		Colonial Hghts Cty	18,000
		Culpeper	< 1,000
		Cumberland	10,000
		Dinwiddie	26,000
		Emporia City	6,000
		Fluvanna	26,000
		Franklin City	9,000
		Goochland	21,000
		Greene	18,000
		Greensville	12,000
		Hampton City	114,000
		Hanover	87,000
		Henrico	285,000
		Hopewell City	23,000
		Isle Of Wight	35,000
		James City	25,000
		Louisa	31,000

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Population Model

Generated By:

Siemens, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Population Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	Population per State	County	Population per County
Virginia		Lunenburg	13,000
(continued)		Madison	12,000
		Mecklenburg	16,000
		New Kent	9,000
		Newport News	118,000
		Norfolk City	229,000
		Nottoway	16,000
		Orange	18,000
		Page	2,000
		Petersburg	33,000
		Portsmouth	102,000
		Powhatan	28,000
		Prince Edward	12,000
		Prince George	37,000
		Richmond City	194,000
		Rockingham	3,000
		Southampton	18,000
		Spotsylvania	3,000
		Suffolk City	82,000
		Surry	8,000
		Sussex	13,000
		Virginia Beach	436,000
Virginia	2,829,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Population Model

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Siemens, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
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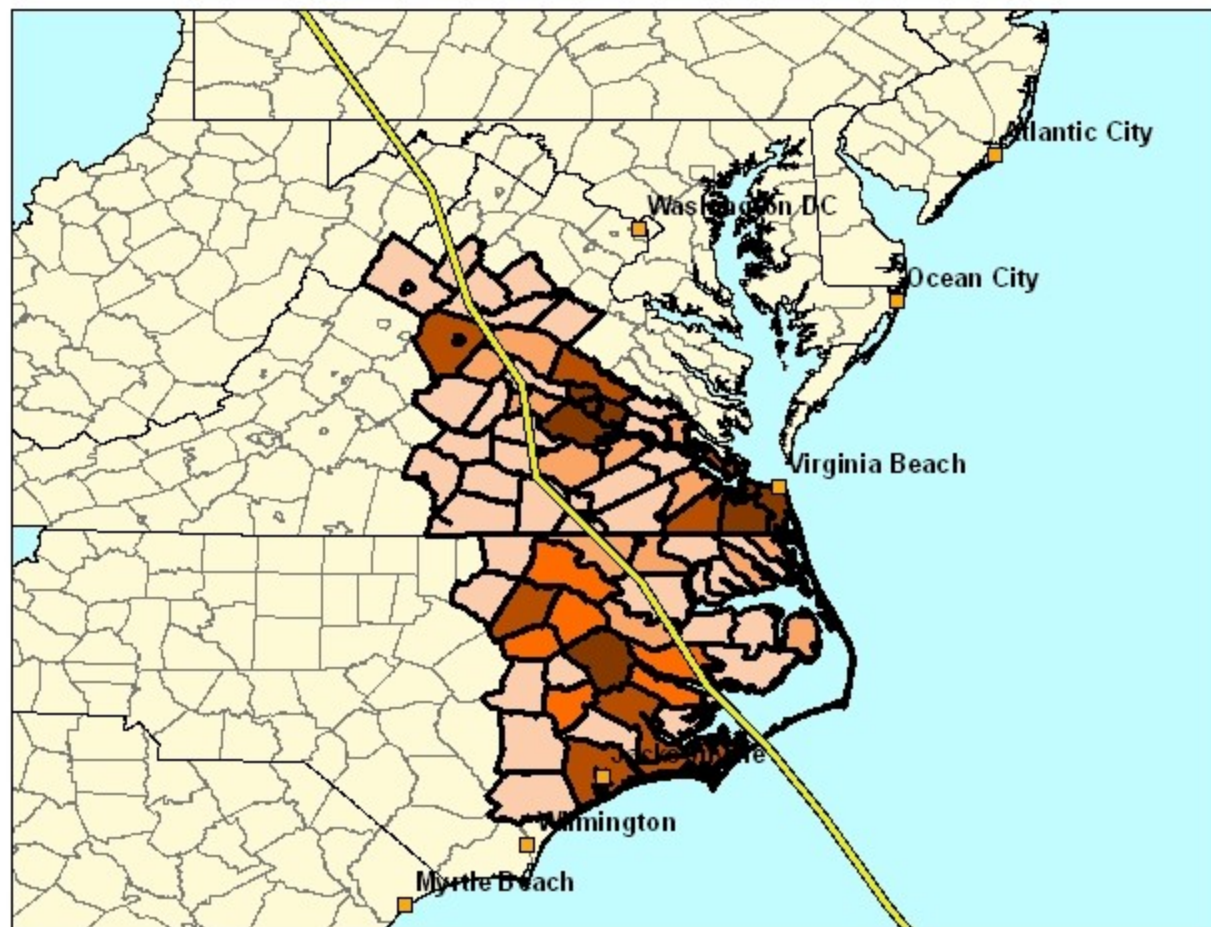


US Army Corps
of Engineers

Hurricane Isabel 2003 Households Model

Landfall Plus About **12** Hours

**For Official
Use Only!**



Post Landfall Households Model Results

Virginia - 1,083,000
North Carolina - 455,000

*Model results per County on
following page*

This model is based on a
Category 3 storm making landfall
on Outer Banks, NC.

Historic Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50,000 households

Information provided on this page displays a Category 3 storm making landfall on Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/17/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2006 values).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Households Model

Generated By:

Siemsen, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Households Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	Households per State	County	Households per County
North Carolina		Beaufort	19,000
		Bertie	8,000
		Camden	4,000
		Carteret	27,000
		Chowan	6,000
		Craven	36,000
		Currituck	10,000
		Dare	15,000
		Duplin	5,000
		Edgecombe	20,000
		Franklin	< 1,000
		Gates	5,000
		Greene	8,000
		Halifax	22,000
		Hertford	10,000
		Hyde	3,000
		Jones	4,000
		Lenoir	24,000
		Martin	10,000
		Nash	29,000
		Northampton	9,000
		Onslow	49,000
		Pamlico	6,000
		Pasquotank	15,000
		Pender	6,000
		Perquimans	6,000
		Pitt	58,000
		Tyrrell	2,000
		Warren	6,000
		Washington	6,000
		Wayne	4,000

State	Households per State	County	Households per County
North Carolina		Wilson	23,000
North Carolina	455,000		
Virginia		Albemarle	30,000
		Amelia	5,000
		Brunswick	7,000
		Buckingham	4,000
		Charles City	3,000
		Charlotte	< 1,000
		Charlottesville	16,000
		Chesapeake	78,000
		Chesterfield	108,000
		Colonial Hghts Cty	8,000
		Culpeper	< 1,000
		Cumberland	4,000
		Dinwiddie	10,000
		Emporia City	3,000
		Fluvanna	10,000
		Franklin City	4,000
		Goochland	8,000
		Greene	7,000
		Greensville	4,000
		Hampton City	45,000
		Hanover	32,000
		Henrico	118,000
		Hopewell City	10,000
		Isle Of Wight	14,000
		James City	10,000
		Louisa	12,000

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

Details about this model may be obtained at <http://www.englink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Households Model

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Siemens, LRL 0900 EDT 09/17/2007

Sources:

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US Army Corps
of Engineers

Hurricane Isabel 2003 Households Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	Households per State	County	Households per County
Virginia		Lunenburg	5,000
(continued)		Madison	5,000
		Mecklenburg	7,000
		New Kent	4,000
		Newport News	46,000
		Norfolk City	85,000
		Nottoway	6,000
		Orange	7,000
		Page	< 1,000
		Petersburg	14,000
		Portsmouth	39,000
		Powhatan	9,000
		Prince Edward	5,000
		Prince George	12,000
		Richmond City	83,000
		Rockingham	2,000
		Southampton	7,000
		Spotsylvania	< 1,000
		Suffolk City	30,000
		Surry	3,000
		Sussex	5,000
		Virginia Beach	159,000
Virginia	1,083,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2006 values.

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Hurricane Isabel 2003 Households Model

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Sources:

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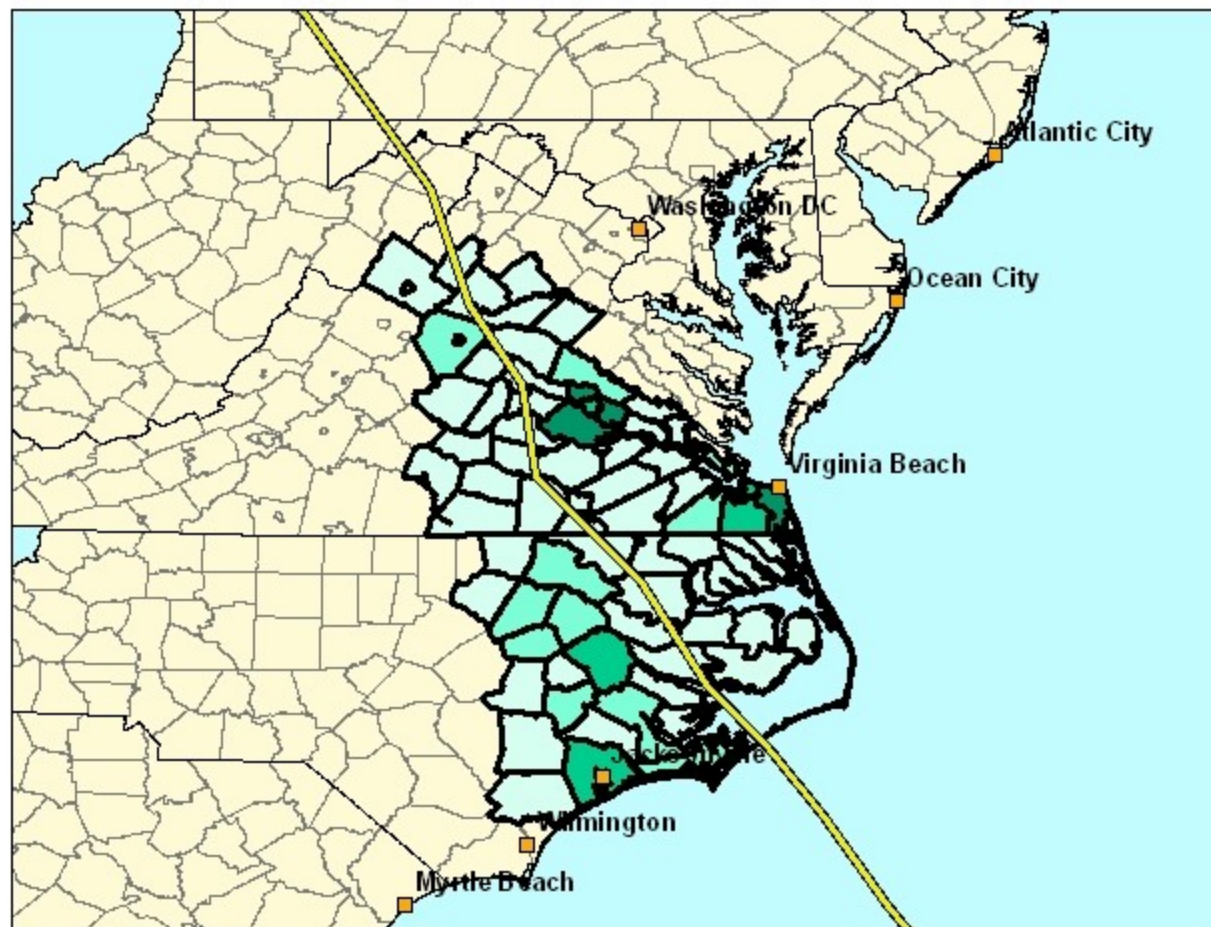


US Army Corps
of Engineers

Hurricane Isabel 2003 Commodities Model

Landfall Plus About **12** Hours

**For Official
Use Only!**



Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three

VA – 62/124/248 Truckloads

NC – 27/53/106 Truckloads

*Model results per County on
following page*

This model is based on a
Category 3 storm making landfall
on Outer Banks, NC.

Historic Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall on Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/17/2007) forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Commodities Model

Generated By:

Siemsen, LRL 0900 EDT 09/17/2007

Sources:

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LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Commodities Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	Truckloads per State	County	Truckloads per County
North Carolina		Beaufort	4
		Bertie	2
		Camden	1
		Carteret	6
		Chowan	2
		Craven	8
		Currituck	2
		Dare	3
		Duplin	1
		Edgecombe	5
		Franklin	1
		Gates	1
		Greene	2
		Halifax	5
		Hertford	2
		Hyde	1
		Jones	1
		Lenoir	5
		Martin	2
		Nash	6
		Northampton	2
		Onslow	13
		Pamlico	2
		Pasquotank	4
		Pender	1
		Perquimans	1
		Pitt	12
		Tyrrell	1
		Warren	2
		Washington	2
		Wayne	1

State	Truckloads per State	County	Truckloads per County
North Carolina		Wilson	5
North Carolina	106		
Virginia		Albemarle	6
		Amelia	2
		Brunswick	2
		Buckingham	1
		Charles City	1
		Charlotte	1
		Charlottesville	4
		Chesapeake	18
		Chesterfield	24
		Colonial Hghts Cty	2
		Culpeper	1
		Cumberland	1
		Dinwiddie	3
		Emporia City	1
		Fluvanna	3
		Franklin City	1
		Goochland	2
		Greene	2
		Greensville	1
		Hampton City	10
		Hanover	7
		Henrico	23
		Hopewell City	2
		Isle Of Wight	3
		James City	2
		Louisa	3

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Commodities Model

Generated By:

Siemsen, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Commodities Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	Truckloads per State	County	Truckloads per County
Virginia		Lunenburg	1
(continued)		Madison	1
		Mecklenburg	2
		New Kent	1
		Newport News	10
		Norfolk City	19
		Nottoway	2
		Orange	2
		Page	1
		Petersburg	3
		Portsmouth	9
		Powhatan	3
		Prince Edward	1
		Prince George	3
		Richmond City	16
		Rockingham	1
		Southampton	2
		Spotsylvania	1
		Suffolk City	7
		Surry	1
		Sussex	1
		Virginia Beach	35
Virginia	248		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

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Hurricane Isabel 2003 Commodities Model

Generated By:

Siemens, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
LRL-DEBRIS

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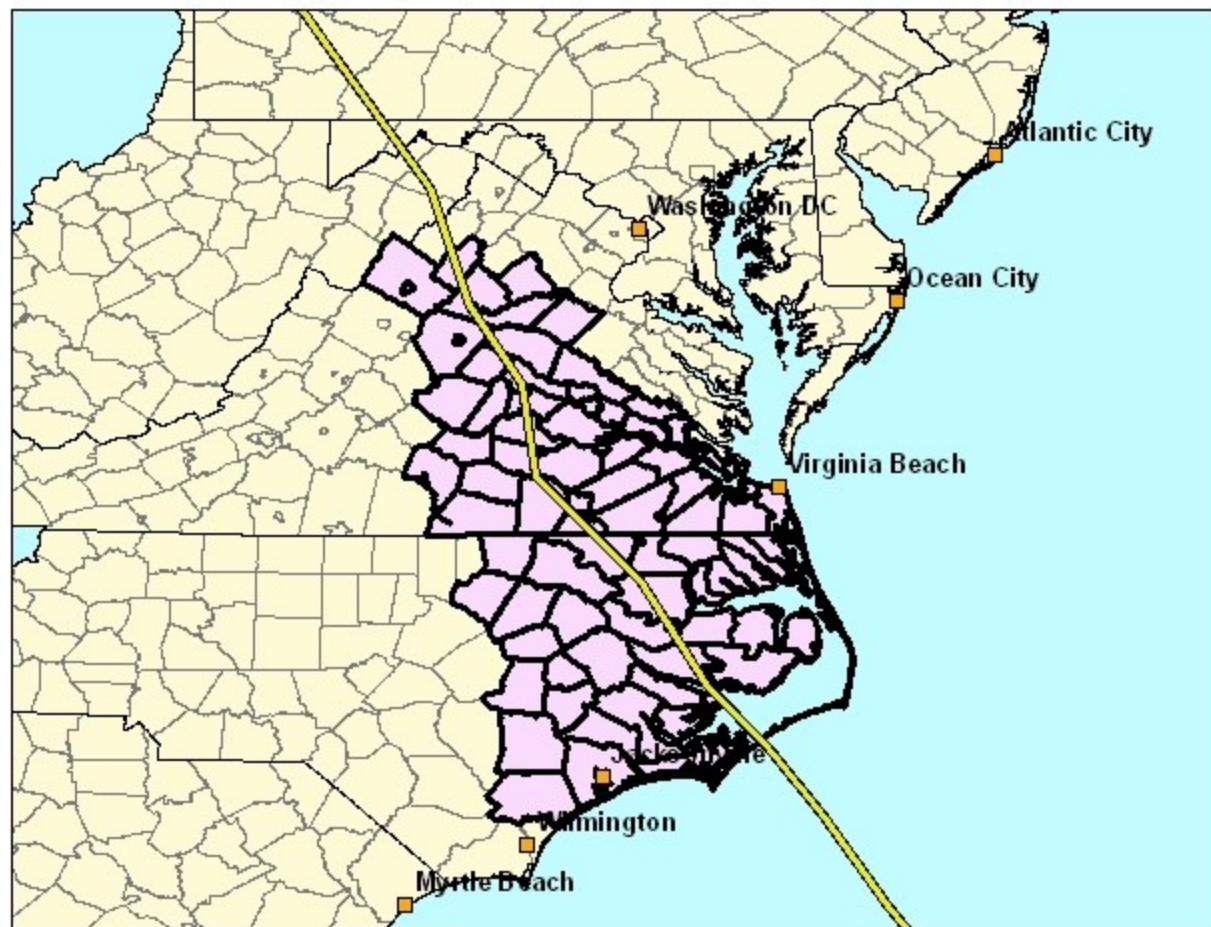


US Army Corps
of Engineers

Hurricane Isabel 2003 Temp Housing Model

Landfall Plus About **12** Hours

**For Official
Use Only!**



Post Landfall Temporary Housing Model Results

North Carolina - 11,000
Virginia - 10,700

*Model results per County on
following page*

This model is based on a
Category 3 storm making landfall
on Outer Banks, NC.

Historic Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/17/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Housing Model

Generated By:

Siemsen, LRL 0900 EDT 09/17/2007

Sources:

HURREVAC
LRL-DEBRIS

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US Army Corps
of Engineers

Hurricane Isabel 2003 Temp Housing Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	House Units per State	County	House Units per County
North Carolina		Beaufort	800
		Bertie	400
		Camden	< 100
		Carteret	1,000
		Chowan	200
		Craven	1,100
		Currituck	200
		Dare	500
		Duplin	< 100
		Edgecombe	400
		Franklin	< 100
		Gates	200
		Greene	< 100
		Halifax	600
		Hertford	400
		Hyde	< 100
		Jones	< 100
		Lenoir	300
		Martin	500
		Nash	300
		Northampton	300
		Onslow	600
		Pamlico	300
		Pasquotank	500
		Pender	< 100
		Perquimans	200
		Pitt	1,600
		Tyrrell	< 100
		Warren	< 100
		Washington	300
		Wayne	< 100

State	House Units per State	County	House Units per County
North Carolina		Wilson	300
North Carolina	11,000		
Virginia		Albemarle	300
		Amelia	< 100
		Brunswick	200
		Buckingham	< 100
		Charles City	< 100
		Charlotte	< 100
		Charlottesville	200
		Chesapeake	800
		Chesterfield	1,100
		Colonial Hghts Cty	< 100
		Culpeper	< 100
		Cumberland	< 100
		Dinwiddie	200
		Emporia City	< 100
		Fluvanna	< 100
		Franklin City	< 100
		Goochland	< 100
		Greene	< 100
		Greensville	< 100
		Hampton City	500
		Hanover	400
		Henrico	1,200
		Hopewell City	< 100
		Isle Of Wight	200
		James City	< 100
		Louisa	200

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at <http://www.englink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isabel 2003 Housing Model

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Sources:

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of Engineers

Hurricane Isabel 2003 Temp Housing Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	House Units per State	County	House Units per County
Virginia		Lunenburg	< 100
(continued)		Madison	< 100
		Mecklenburg	< 100
		New Kent	< 100
		Newport News	500
		Norfolk City	900
		Nottoway	100
		Orange	< 100
		Page	< 100
		Petersburg	200
		Portsmouth	400
		Powhatan	< 100
		Prince Edward	< 100
		Prince George	200
		Richmond City	900
		Rockingham	< 100
		Southampton	200
		Spotsylvania	< 100
		Suffolk City	400
		Surry	< 100
		Sussex	< 100
		Virginia Beach	1,600
Virginia	10,700		

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

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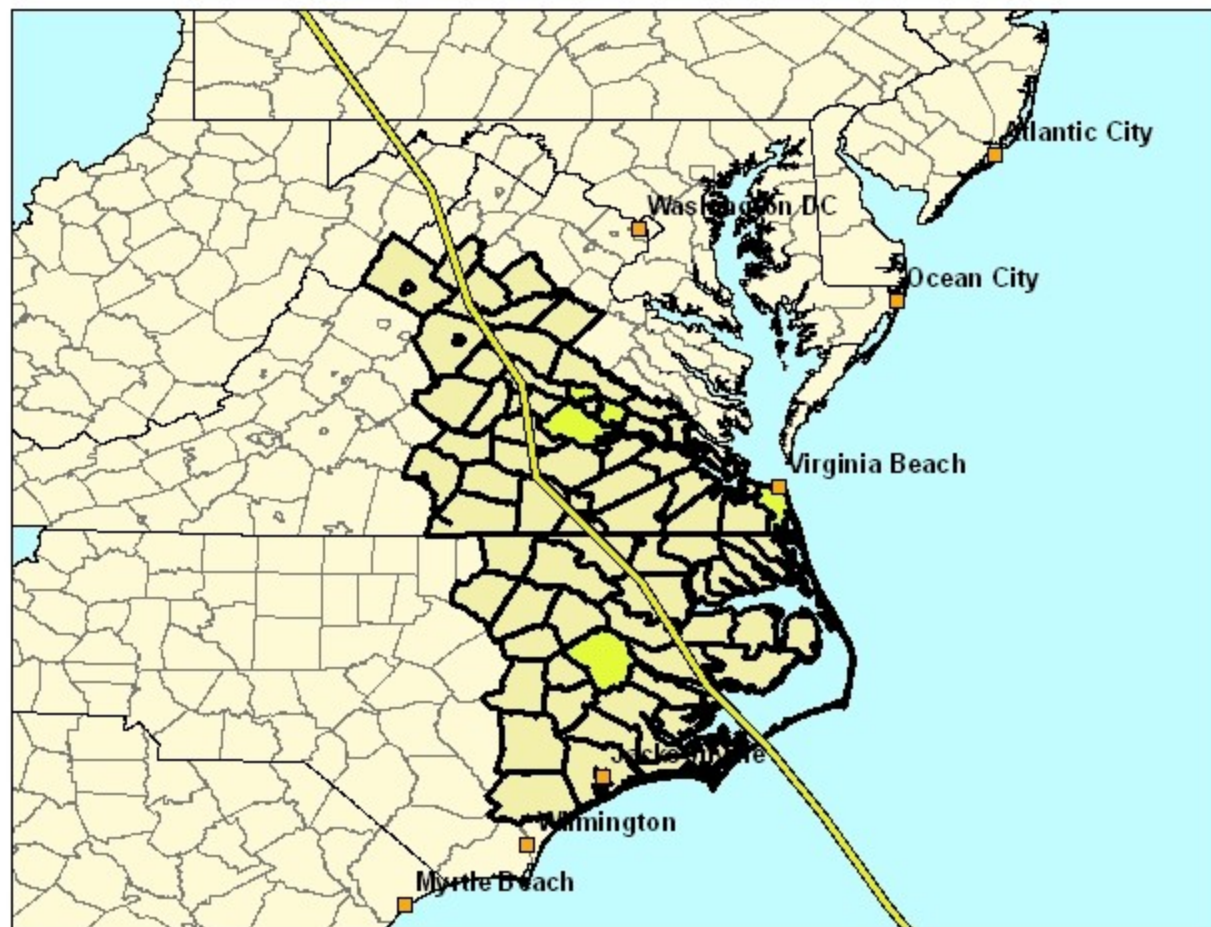


US Army Corps
of Engineers

Hurricane Isabel 2003 Temp Roofing Model

Landfall Plus About **12** Hours

**For Official
Use Only!**



Post Landfall Temporary Roofing Model Results

Virginia - 23,100
North Carolina - 19,000

*Model results per County on
following page*

This model is based on a
Category 3 storm making landfall
on Outer Banks, NC.

Historic Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall on Outer Banks, NC. These projections are based on information from the NHC (0830 EDT 09/17/2007) forecast. Temporary roofing is based on 2% in CAT 1, 5% in CAT 2 and 8% in CAT 3.

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Hurricane Isabel 2003 Temp Roofing Model

Landfall Plus About 12 Hours

**For Official
Use Only!**

State	House Units per State	County	House Units per County
North Carolina		Beaufort	1,300
		Bertie	600
		Camden	200
		Carteret	1,600
		Chowan	300
		Craven	1,800
		Currituck	300
		Dare	700
		Duplin	< 100
		Edgecombe	700
		Franklin	< 100
		Gates	300
		Greene	200
		Halifax	1,000
		Hertford	600
		Hyde	200
		Jones	200
		Lenoir	500
		Martin	700
		Nash	600
		Northampton	500
		Onslow	1,200
		Pamlico	400
		Pasquotank	800
		Pender	200
		Perquimans	300
		Pitt	2,700
		Tyrrell	< 100
		Warren	200
		Washington	400
		Wayne	< 100

State	House Units per State	County	House Units per County
North Carolina		Wilson	500
North Carolina	19,000		
Virginia		Albemarle	600
		Amelia	200
		Brunswick	300
		Buckingham	< 100
		Charles City	< 100
		Charlotte	< 100
		Charlottesville	400
		Chesapeake	1,600
		Chesterfield	2,200
		Colonial Hgts Cty	200
		Culpeper	< 100
		Cumberland	< 100
		Dinwiddie	400
		Emporia City	200
		Fluvanna	200
		Franklin City	200
		Goochland	200
		Greene	200
		Greensville	200
		Hampton City	900
		Hanover	700
		Henrico	2,400
		Hopewell City	200
		Isle Of Wight	300
		James City	200
		Louisa	300

Temporary roofing is based on 2% in CAT 1, 5% in CAT 2 and 8% in CAT 3.

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Hurricane Isabel 2003 Roofing Model

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Hurricane Isabel 2003 Temp Roofing Model

Landfall Plus About 12 Hours

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Use Only!**

State	House Units per State	County	House Units per County
Virginia		Lunenburg	< 100
(continued)		Madison	< 100
		Mecklenburg	200
		New Kent	< 100
		Newport News	1,000
		Norfolk City	1,700
		Nottoway	200
		Orange	200
		Page	< 100
		Petersburg	300
		Portsmouth	800
		Powhatan	200
		Prince Edward	< 100
		Prince George	300
		Richmond City	1,700
		Rockingham	< 100
		Southampton	300
		Spotsylvania	< 100
		Suffolk City	700
		Surry	< 100
		Sussex	200
		Virginia Beach	3,200
Virginia	23,100		

Temporary roofing is based on 2% in CAT 1, 5% in CAT 2 and 8% in CAT 3.

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